

SATURN 6

ReneSola

MONO-FACIAL MODULE

RS6-535~555M-E3

P-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.48%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and Weak light response · Low temperature ratings
 - 0.55% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

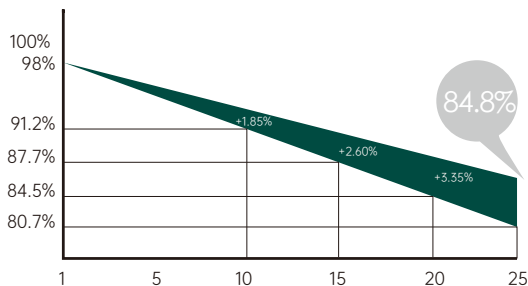


Complete System
and IEC Product Certification

IEC 61215(2016), IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System

12-year ◀◀
Material &
Workmanship

25-year ◀◀
Linear Power
Output

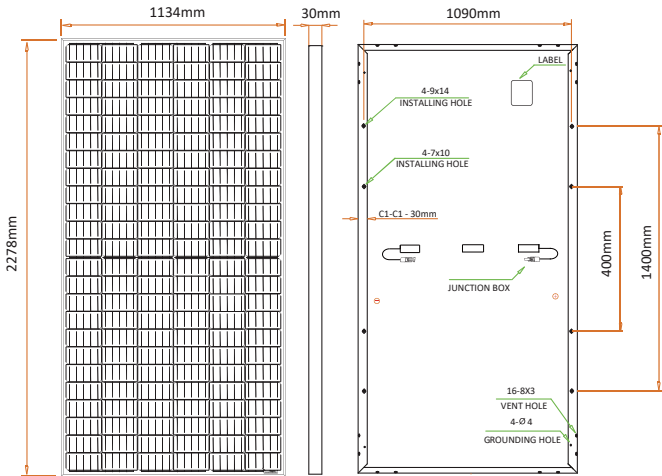


25-Year excess linear power output warranty

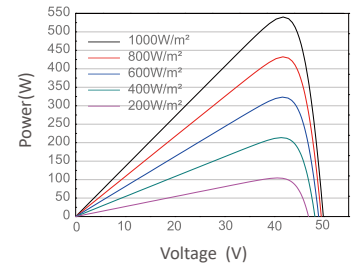
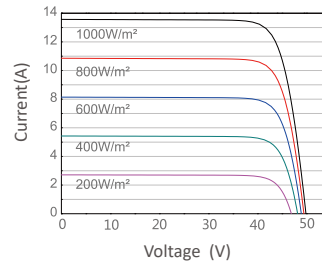


RS6-535~555M-E3

MONO-FACIAL MODULE



Drawing Only for Reference



| Electrical Characteristics STC | RS6-535M-E3 | RS6-540M-E3 | RS6-545M-E3 | RS6-550M-E3 | RS6-555M-E3 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| Maximum Power (Pmax) | 535W | 540W | 545W | 550W | 555W |
| Power Tolerance | 0~+5W | 0~+5W | 0~+5W | 0~+5W | 0~+5W |
| Module Efficiency | 20.71% | 20.90% | 21.10% | 21.29% | 21.48% |
| Maximum Power Current (Imp) | 12.90A | 12.97A | 13.04A | 13.12A | 13.19A |
| Maximum Power Voltage (Vmp) | 41.50V | 41.65V | 41.80V | 41.95V | 42.10V |
| Short Circuit Current (Isc) | 13.78A | 13.85A | 13.92A | 13.98A | 14.04A |
| Open Circuit Voltage (Voc) | 49.35V | 49.50V | 49.65V | 49.80V | 49.95V |

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

| Electrical Characteristics NMOT | RS6-535M-E3 | RS6-540M-E3 | RS6-545M-E3 | RS6-550M-E3 | RS6-555M-E3 |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|
| Maximum Power (Pmax) | 399.9W | 403.6W | 407.4W | 411.1W | 414.8W |
| Maximum Power Current (Imp) | 10.38A | 10.43A | 10.49A | 10.56A | 10.61A |
| Maximum Power Voltage (Vmp) | 38.55V | 38.69V | 38.83V | 38.97V | 39.11V |
| Short Circuit Current (Isc) | 11.14A | 11.20A | 11.25A | 11.31A | 11.35A |
| Open Circuit Voltage (Voc) | 46.40V | 46.54V | 46.68V | 46.82V | 46.97V |

NMOT(Nominal module operating temperature) , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics

| | |
|----------------------------|--------------------------------------------------------|
| Cell Type | MonoP-Type, 182x182(±1)mm, 144(6x24)Half-Cut cells |
| Glass | 3.2mm,High Transmission,Low Iron,Tempered Glass |
| Frame | Anodized Aluminum Alloy |
| Junction Box | IP68 Rated, With Bypass Diodes |
| Dimension | 2278×1134×30mm |
| Output Cable | 4 mm ² (EU),300 mm,length can be customized |
| Weight | 28kg |
| Installation Hole Location | See Drawing Above |

Packing Information

| | |
|-----------------------|--------|
| Container | 40' HQ |
| Pallets per Container | 20 |
| Pieces per Container | 720 |

Characteristics

| | |
|-------------------------------------------|------------|
| Temperature Coefficient of Voc | -0.27%/°C |
| Temperature Coefficient of Isc | +0.048%/°C |
| Temperature Coefficient of Pmax | -0.35%/°C |
| Nominal Operating Cell Temperature (NOCT) | 45°C ±2°C |

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings

| | |
|----------------------------|-------------|
| Operating Temperature | -40°C~+85°C |
| Maximum System Voltage | 1500VDC |
| Maximum Series Fuse Rating | 30A |

